

NOV 02 2005

DM-10/2003
Sheet 1 of 1

(Rev. 5/92) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-665 (19232)	Serial Number: 10/686,933
	Applicant: MacDonald, et al.	
	Filing Date: October 16, 2003 Confirmation No: 4589	Group Art Unit: 1744

NOTE:

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- (1) This item is cumulative, per Rule 98(c)
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 USSN _____, filed _____, or
 USSN _____, filed _____;
 Relied on under 35 U.S.C. Section 120, per Rule 98(d)
- (3) Both reasons (1) and (2) apply
- (4) No legible complete copy is possessed, in custody of controlled, or readily available
- (5) Per the U.S. Patent and Trademark Office's waiver of Rule 98(a)(2)(i), the item is a U.S. patent or patent application publication, and the present application was filed after June 30, 2003.

EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER	ISSUE DATE	COPY NOTE
<i>[Signature]</i>	Thorpe et al.	5 3 1 4 8 5 5	05/24/1994	5
	Masterman et al.	5 6 1 6 3 1 5	04/01/1997	5
	Everhart et al.	5 8 5 8 5 0 3	01/12/1999	5
	Weimer	5 9 9 8 2 2 2	12/07/1999	5
	Nishijima et al.	6 2 0 0 5 5 5	03/13/2001	5
	Matsushita et al.	6 2 1 0 6 2 5	04/03/2001	5
	Abbott et al.	6 2 7 7 4 8 9	08/21/2001	5
	Ley et al.	6 3 6 1 7 8 0	03/26/2002	5
	Tsushio et al.	6 4 3 2 8 7 2	08/13/2002	5
	Schottman et al.	7 0 0 8 9 7 9	03/07/2006	5

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIALS	APPLICANT'S NAME	PUBLICATION NUMBER	PUBLICATION DATE	COPY NOTE
<i>[Signature]</i>	Burrell et al. 2003	0 0 9 9 7 1 8	05/29/2003	5

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	TRANSLATION	COPY NOTE
<i>[Signature]</i>	WO	0 6 0 3 7 8 A2	07/22/2004	YES NO N/A	
				X	

**"NO" means that no copy of an English language translation is within the possession, custody, or control of, or is readily available to any individual designated in Rule 56(c).

EXAMINER INITIALS	OTHER DOCUMENTS	COPY NOTE
	Specify author (if any), Title, Pertinent Pages, Date & Place of Publication	
EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>2-6-07</i>	
Examiner: initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.		



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EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER	ISSUE DATE	COPY NOTE
<i>[Signature]</i>	Ando et al.	5 0 6 4 5 9 9	11/12/1991	5
<i>[Signature]</i>	McCauley et al.	5 1 0 2 5 9 2	04/07/1992	5
<i>[Signature]</i>	Connolly et al.	5 1 2 0 6 9 3	06/09/1992	5

U.S. PATENT APPLICATION PUBLICATIONS										
EXAMINER INITIALS	APPLICANT'S NAME	PUBLICATION NUMBER	PUBLICATION DATE	COPY NOTE						
<i>[Signature]</i>	Yokoyama et al.	2005 0 1 8 1 0 6 7	08/18/2050	5						

FOREIGN PATENT DOCUMENTS										
EXAMINER INITIALS	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	TRANSLATION	COPY NOTE					
				YES NO N/A						

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EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER	ISSUE DATE	COPY NOTE
<i>SEA</i>	Handjani et al.	5 2 0 4 1 1 1	04/20/1993	5
<i>FA</i>	Mohnot et al.	5 7 4 7 0 0 3	05/05/1998	5

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EXAMINER <i>SEA</i>	DATE CONSIDERED <i>2-6-07</i>	
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EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER								ISSUE DATE	COPY NOTE
<i>ES</i>	Beschke	3	8	3	6	6	3	3		09/17/1974	5
<i>ES</i>	Gualandri	4	2	9	7	2	3	3		10/27/1981	5

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<i>ES</i>	Abstract of Japanese Patent No. JP04255767	09/10/1992	
<i>ES</i>	Abstract of Japanese Patent No. JP05098185	04/20/1993	
EXAMINER <i>ES</i>	DATE CONSIDERED <i>2-7-06</i>		
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	Verma, et al.	3	9	6	0	4	9	4		06/01/1976	5
	Brunner, et al.	5	7	3	3	2	7	2		03/31/1998	5
	Uitenbroek, et al.	5	8	9	7	5	4	1		04/27/1999	5
	Cohen	5	9	6	4	9	2	6		10/12/1999	5
	Glaug, et al.	6	3	6	9	2	9	0		04/09/2002	5

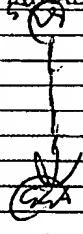

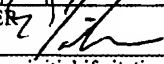
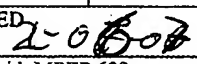
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EXAMINER INITIALS	COUNTRY	DOCUMENT NUMBER									PUBLICATION DATE	TRANSLATION			COPY NOTE
												YES	NO	N/A	
	WO	0	0	7	6	5	5	8	A1	12/21/2000			X		
	EP	1	0	3	4	8	0	0	A1	09/13/2000			X		
	EP	1	1	5	7	6	7	2	A1	11/28/2001			X		
	EP	1	2	1	6	6	7	5	A1	06/26/2002			X		
	EP	1	3	1	5	5	2	6	B1	06/04/2003			X		
	JP w/ English Abstract	3	2	2	1	1	4	2		09/30/1991		X			
	JP w/ English Abstract	6	2	1	4	9	3	2	2	07/03/1987		X			
	WO	9	8	2	0	9	1	5	A1	05/22/1998		X			

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	WO	9	8	2	6	8	0	8	A2 & A3	06/25/1998			X	

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	Abstract of Japanese Patent No. JP1262868 10/19/1989	
	Abstract of Japanese Patent No. JP2157039 06/15/1990	
	Abstract of Japanese Patent No. JP3195562 08/27/1991	
	Abstract of Japanese Patent No. JP4335141 11/24/1992	
	Abstract of Japanese Patent No. JP5261246 10/12/1993	
	Abstract of Japanese Patent No. JP6285140 10/11/1994	
	Abstract of Japanese Patent No. JP63072337 04/02/1988	
	Abstract of Japanese Patent No. JP8152409 06/11/1996	
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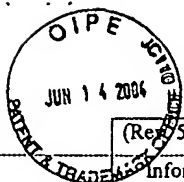
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949	WO 2004	0	0	0	9	8	6		A1	12/31/2003			X	
	WO w/	0	0	5	9	5	5	5	A1	10/12/2000			X	
	English													
	Abstract													
949	WO	9	7	2	5	0	7	6	A1	07/17/1997			X	

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949	Abstract of SU834073	05/30/1981
	PCT Search Report and Written Opinion for PCT/US2004/011596	08/30/2004
	PCT Search Report and Written Opinion for PCT/US2004/016933	11/02/2004
EXAMINER	DATE CONSIDERED	
949	2-6-07	

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EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER								ISSUE DATE	COPY NOTE
	Liu, et al.	6	4	7	9	1	5	0	11/12/2002	5	

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EXAMINER INITIALS	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	TRANSLATION			COPY NOTE			
				YES	NO	N/A				
	WO	0 2 0 9 4 3 2 9 A1	11/28/2002			X				

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	PCT Search Report for PCT/US03/32846	06/07/2004	
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EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER							ISSUE DATE	COPY NOTE
	Murasawa, et al.	6	2	7	7	3	4	6	08/21/2001	5
	Ochomogo, et al.	6	3	5	8	9	0	9	03/19/2002	5
	Murasawa, et al.	6	4	9	8	0	0	0	12/24/2002	5
	Yadav, et al.	6	5	3	1	7	0	4	03/11/2003	5
	Shefer, et al.	6	5	8	9	5	6	2	07/08/2003	5
	Davison, et al.	6	6	3	8	9	1	8	10/28/2003	5
	Ghosh, et al.	6	6	9	3	0	7	1	02/17/2004	5

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	Yadav, et al.	0	0	0	0	8	8	9	05/10/2001	5
	Hei, et al.	0	0	3	3	2	6	9	02/19/2004	5
	Ghosh, et al.	0	0	3	4	1	5	7	02/19/2004	5
	Soerens, et al.	0	0	4	3	6	8	8	03/04/2004	5
	Forrai, et al.	0	0	5	6	6	4	8	03/27/2003	5
	Shefer, et al.	0	1	4	7	9	5	6	08/07/2003	5
	Quellet, et al.	0	1	8	1	5	4	0	09/25/2003	5
	Fontenot, et al.	0	1	8	2	1	0	2	12/05/2002	5
	Lelah, et al.	0	2	3	5	6	0	5	12/25/2003	5

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ESB	WO	0	0	1	3	7	7	6	4	A1	03/16/2000			X	
EA	WO	0	3	0	8	8	9	3	1	A2	10/30/2003			X	

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SDB	Specify author (if any), Title, Pertinent Pages, Date & Place of Publication		
	Abstract of Japanese Patent No. 7256025	10/09/1995	
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2/1/97	2/6/97		
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	Article - Adsorption of Dyes on Nanosize Modified Silica Particles, Guangwei Wu, Athanasia Koliadima, Yie-Shein Her, and Egon Matijevic, Journal of Colloid and Interface Sciences, Vol. 195, 1997, pp. 222-228		
	Article - Adsorption of Proteins and Antibiotics on Porous Alumina Membranes, Yi Hua Ma, Aseem Bansal, and William M. Clark, Fundamentals of Adsorption, Vol. 80, 1992, pp. 389-396		
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 - (3) Both reasons (1) and (2) apply
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U.S. PATENT DOCUMENTS										
EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER							ISSUE DATE	COPY NOTE
SEE	Davis	R	E	3	0	7	9	7	11/17/1981	5
	Davis	R	E	3	0	8	0	3	11/24/1981	5
	Müller, et al.	2	0	1	5	8	6	4	10/01/1935	5
	Howard	2	5	9	3	1	4	6	04/15/1952	5
	Crowley	3	2	6	6	9	7	3	08/16/1966	5
	Satas	3	3	8	1	6	8	8	05/07/1968	5
	Brown, et al.	3	9	1	9	4	3	7	11/11/1975	5
	Brock, et al.	4	0	4	1	2	0	3	08/09/1977	5
	Walk, et al.	4	1	7	2	7	8	1	10/30/1979	5
	Farha, Jr., et al.	4	3	1	3	8	2	0	02/02/1982	5
	Appel, et al.	4	3	7	5	4	4	8	03/01/1983	5
	Tratnyek	4	4	0	7	9	6	0	10/04/1983	5
	Weisman, et al.	4	4	6	9	7	4	6	09/04/1984	5
	Hou	4	4	8	8	9	6	9	12/18/1984	5
	Kroyer, et al.	4	4	9	4	2	7	8	01/22/1985	5
	Raeburn	4	4	9	4	6	2	9	01/22/1985	5
	Ehlentz, et al.	4	5	1	7	3	0	8	05/14/1985	5
	Mays	4	5	2	2	2	0	3	06/11/1985	5
	Hagiwara, et al.	4	5	2	5	4	1	0	06/25/1985	5
	Laurson, et al.	4	6	4	0	8	1	0	02/03/1987	5
	Johnson	4	6	4	3	8	0	1	02/17/1987	5
	Kidd	4	7	2	5	4	1	5	02/16/1988	5
	Hill	4	7	3	4	3	2	4	03/29/1988	5
	Hagiwara	4	7	7	5	5	8	5	10/04/1988	5
	Lau	4	8	1	8	4	6	4	04/04/1989	5
	Morell, et al.	4	8	2	3	4	0	4	04/25/1989	5
	Aoyama, et al.	4	9	7	8	6	1	5	12/18/1990	5
	Kurihara, et al.	5	1	0	8	7	3	9	04/28/1992	5
	Nakane, et al.	5	1	2	2	4	1	8	06/16/1992	5
	Potts, et al.	5	1	4	5	7	2	7	09/08/1992	5
	Collier, IV, et al.	5	1	6	9	7	0	6	12/08/1992	5
	Perkins, et al.	5	1	7	8	9	3	1	01/12/1993	5
	Uesaka, et al.	5	1	8	3	6	5	6	02/02/1993	5
	Tinunons, et al.	5	1	8	8	8	8	5	02/23/1993	5
	Kaminsky, et al.	5	2	0	4	4	2	9	04/20/1993	5



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(Rev. 8/92) Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-665 (19232)	Serial Number: 10/686,933
	Applicant: MacDonald, et al.	
	Filing Date: October 16, 2003 Confirmation No: 4589	Group Art Unit: 1744

542	Ogale	5	3	0	0	3	6	5	04/05/1994	5
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	Murai, et al.	5	4	2	7	8	4	4	06/27/1995	5
	Erderly, et al.	5	4	5	1	4	5	0	09/19/1995	5
	Objeski, et al.	5	4	7	2	7	7	5	12/05/1995	5
	Maruo, et al.	5	4	8	0	6	3	6	01/02/1996	5
	Yim	5	4	8	6	3	5	6	01/23/1996	5
	Soerensen	5	5	2	7	1	7	1	06/18/1996	5
	Eiherton, et al.	5	5	3	9	1	2	4	07/23/1996	5
	Parks	5	5	4	0	9	1	6	07/30/1996	5
	Krishnamurti, et al.	5	5	5	4	7	7	5	09/10/1996	5
	Emunons, et al.	5	6	6	3	2	2	4	09/02/1997	5
	McCormack	5	6	9	5	8	6	8	12/09/1997	5
	Brunner, et al.	5	7	3	3	2	7	2	03/31/1998	5
	Cook, et al.	5	8	1	7	3	0	0	10/06/1998	5
	English, et al.	5	8	3	7	3	5	2	11/17/1998	5
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	Dodd, et al.	5	8	8	2	6	3	8	03/16/1999	5
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	Welchel, et al.	6	0	4	7	4	1	3	04/11/2000	5
	Gillberg-LaForce, et al.	6	0	6	0	4	1	0	05/09/2000	5
	Pressley, et al.	6	0	7	3	7	7	1	06/13/2000	5
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	McLaughlin, et al.	6	1	9	3	8	4	4	02/27/2001	5
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	Denkewicz, Jr., et al.	6	2	5	4	8	9	4	07/03/2001	5
	Gancet, et al.	6	2	7	7	7	7	2	08/21/2001	5
	Cohen, et al.	6	2	9	4	2	2	2	09/25/2001	5
	Aoyagi, et al.	6	2	9	9	8	6	7	10/09/2001	5
	McCormack, et al.	6	3	0	9	7	3	6	10/30/2001	5
	Dodd, et al.	6	3	4	4	2	1	8	02/05/2002	5
	Glaug, et al.	6	3	6	9	2	9	0	04/09/2002	5
	Coakley	6	4	2	5	5	3	0	07/30/2002	5
	Bosch, et al.	6	4	2	8	8	1	4	08/06/2002	5
	Yano, et al.	6	4	6	0	9	8	9	10/08/2002	5
	Wu, et al.	6	4	6	7	8	9	7	10/22/2002	5
	Sakaki, et al.	6	4	7	5	6	0	1	11/05/2002	5
	Proverb, et al.	6	4	9	1	7	9	0	12/10/2002	5
	Tomioka, et al.	6	5	1	7	1	9	9	02/11/2003	5
	Kato, et al.	6	5	3	6	8	9	0	03/25/2003	5
	Westman, et al.	6	5	5	1	4	5	7	04/22/2003	5
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	Brehm, et al.	6	6	2	3	8	4	8	09/23/2003	5
	Falat, et al.	6	6	3	9	0	0	4	10/28/2003	5
542	Cramer, et al.	6	6	4	5	5	6	9	11/11/2003	5

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Sheet 3 of 5

14 DEC 2003 (Rev. 5/92)

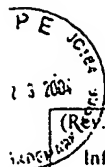
Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-665 (19232)	Serial Number: 10/686,933
	Applicant: MacDonald, et al.	
	Filing Date: October 16, 2003 Confirmation No: 4589	Group Art Unit: 1744

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIALS	APPLICANT'S NAME	PUBLICATION NUMBER	PUBLICATION DATE	COPY NOTE
<i>[Signature]</i>	Sherman	0 0 0 5 1 4 5	01/17/2002	5
	Soane, et al.	0 0 1 3 3 6 9	01/16/2003	5
	Guarracino, et al.	0 0 2 3 3 3 8	09/20/2001	5
	Hall-Puzio, et al.	0 0 3 1 2 4 8	10/18/2001	5
	Proverb, et al.	0 0 7 0 7 8 2	04/17/2003	5
	Cha, et al.	0 0 8 2 2 3 7	05/01/2003	5
	Hausmann, et al.	0 1 0 6 4 6 6	08/08/2002	5
	Dugan	0 1 1 0 6 8 6	08/15/2002	5
	Rohrbaugh, et al.	0 1 7 6 9 8 2	11/28/2002	5

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	TRANSLATION			COPY NOTE
				YES	NO	N/A	
<i>[Signature]</i>	WO	0 0 7 6 5 5 8 A1	12/21/2000			X	
	WO	0 2 0 6 2 8 8 1 A2	08/15/2002			X	
	WO	0 2 0 6 4 8 7 7 A2 & A3	08/22/2002			X	
	WO	0 2 0 8 3 2 9 7 A1	10/24/2002			X	
	WO	0 2 0 8 4 0 1 7 A1	10/24/2002			X	
	WO	0 2 0 9 5 1 1 2 A1	11/28/2002			X	
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	EP	0 2 5 1 7 8 3 B1	01/07/1988			X	
	WO	0 3 0 0 0 9 7 9 A2	01/03/2003			X	
	WO	0 3 0 2 5 0 6 7 A1	03/27/2002			X	
	WO	0 3 0 9 2 8 8 5 A1	11/13/2003			X	
	EP	0 3 4 8 9 7 8 A2	01/03/1990			X	
	EP	0 5 1 0 6 1 9 A1	10/28/1992			X	
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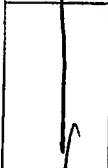


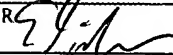
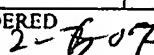
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	WO	9	1	1	2	0	3	0	A1	08/22/1991			X	
	WO	9	1	1	1	9	7	7	A1	08/22/1991			X	
	WO	9	6	1	9	3	4	6	A2 & A3	06/27/1996			X	
559	WO	9	8	2	6	8	0	8	A2 & A3	06/25/1998			X	

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EXAMINER INITIALS	OTHER DOCUMENTS		COPY NOTE
	Specify author (if any), Title, Pertinent Pages, Date & Place of Publication		
552	Abstract of Japanese Patent No. 5106199	04/27/1993	
	Abstract of Japanese Patent No. 9143872	06/03/1997	
	Article Applicability of a SPME method for the Rapid Determination of VOCs, Alexandre Béné, Jean-Luc Luisier, and Antoine Fomage, Chimia, Vol. 56, No. 6, 2002, pp. 289-291		
	Article Characterisation of novel modified active carbons and marine algal biomass for the selective adsorption of lead, D.J. Malik, V. Strelko, Jr., M. Streat, and A.M. Puziy, Water Research, Vol. 36, 2002, pp. 1527-1538		
	Article Significance of Ammonia in the Genesis of Gastric Epithelial Lesions Induced by Helicobacter pylori: An in vitro Study with Different Bacterial Strains and Urea Concentrations, P. Sommi, V. Ricci, R. Fiocca, M. Romano, K.J. Ivey, E. Cova, E. Solcia, and U. Ventura, Digestion, Vol. 57, 1996, pp. 299-304		
559	Article Ammonia vapour in the mouth as a diagnostic marker for Helicobacter pylori infection: preliminary "proof of principle" pharmacological investigations, C. D. R. Dunn, M. Black, D. C. Cowell, C. Penault, N. M. Ratcliffe, R. Spence, and C. Teare, British Journal of Biomedical Science, Vol. 58, 2001, pp. 66-76		

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Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-665 (19232)	Serial Number: 10/686,933
	Applicant: MacDonald, et al.	
	Filing Date: October 16, 2003 Confirmation No: 4589	Group Art Unit: 1744

	Article Purification and Characterization of Urease from <i>Helicobacter pylori</i> , Bruce E. Dunn, Gail P. Campbell, Guillermo I. Perez-Perez, and Martin J. Blaser, The Journal of Biological Chemistry, Vol. 265, No. 16, June 5, 1990, pp. 9464-1990		
	Article Validation of ¹³ C-Urea Breath Test for the Diagnosis of <i>Helicobacter Pylori</i> Infection in the Singapore Population, T. S. Chua, K. M. Fock, E. K. Teo, T. M. Ng, Singapore Medical Journal, Vol. 43, No. 8, 2002, pp. 408-411		
	Article Significance of ammonia produced by <i>Helicobacter pylori</i> , Shigeji Ito, Yoshihiro Kohli, Takuji Kato, Yoshinichi Abe, and Takashi Ueda, European Journal of Gastroenterology & Hepatology, Vol. 6, No. 2, 1994, pp. 167-174		
	Article Spectrophotometric Assay of Thiols, Peter C. Jocelyn, Methods in Enzymology, Vol. 142, 1987, pp. 44-67		
EXAMINER 	DATE CONSIDERED 		
Examiner: initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.			



DM-10/03
Sheet 1 of 1

(R) 5/92) Supplemental Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-665 (19232)	Serial Number: 10/686,933
	Applicant: MacDonald, et al.	
	Filing Date: October 16, 2003	Group Art Unit: 1744
	Confirmation No: 4589	

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U.S. PATENT DOCUMENTS									
EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER	ISSUE DATE	COPY NOTE					

FOREIGN PATENT DOCUMENTS							
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				YES	NO	N/A	

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EXAMINER INITIALS	OTHER DOCUMENTS	COPY NOTE
	Specify author (if any), Title, Pertinent Pages, Date & Place of Publication Article Adsorption of Dyes on Nanosize Modified Silica Particles, Guangwei Wu, Athanasia Koliadima, Yie-Shein Her, and Egon Matijevic, Journal of Colloid and Interface Sciences, Vol. 195, 1997, pp. 222-228	
	Article Adsorption of Proteins and Antibiotics on Porous Alumina Membranes, Yi Hua Ma, Aseem Bansal, and William M. Clark, Fundamentals of Adsorption, Vol. 80, 1992, pp. 389-396	
EXAMINER	DATE CONSIDERED	
Examiner: initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.		

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Rev. 5/92) Supplemental Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-665 (19232)	Serial Number: 10/686,933
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U.S. PATENT DOCUMENTS											
EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER								ISSUE DATE	COPY NOTE
<i>SS</i>	Matijevic, et al.	5	8	7	1	8	7	2		2/16/1999	5
<i>SS</i>	Weinstrauch	6	1	7	7	6	0	8	BI	1/23/2001	5

FOREIGN PATENT DOCUMENTS											
EXAMINER INITIALS	COUNTRY	DOCUMENT NUMBER								PUBLICATION DATE	TRANSLATION
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Examiner: initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.		



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U.S. PATENT DOCUMENTS										
EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER							ISSUE DATE	COPY NOTE
SSA	Brandt, et al.	R	E	3	2	6	4	9	04/19/1988	5
	Kinney	3	3	3	8	9	9	2	08/29/1967	5
	Kinney	3	3	4	1	3	9	4	09/12/1967	5
	Evans	3	4	9	4	8	2	1	02/10/1970	5
	Petersen	3	5	0	2	5	3	8	03/24/1970	5
	Hartmann	3	5	0	2	7	6	3	03/24/1970	5
	Dobo, et al.	3	5	4	2	6	1	5	11/24/1970	5
	Dorschner, et al.	3	6	9	2	6	1	8	09/19/1972	5
	Matsuki, et al.	3	8	0	2	8	1	7	04/09/1974	5
	Butin, et al.	3	8	4	9	2	4	1	11/19/1974	5
	Suzuki, et al.	3	9	7	1	6	6	5	07/27/1976	5
	Yoshida, et al.	4	0	0	6	0	3	0	02/01/1977	5
	Yoshida, et al.	4	0	7	8	0	2	9	03/07/1978	5
	Anderson, et al.	4	1	0	0	3	2	4	07/11/1978	5
	Inoue, et al.	4	1	0	1	6	3	8	07/18/1978	5
	Boulton	4	1	4	4	3	7	0	03/13/1979	5
	Appel, et al.	4	3	4	0	5	6	3	07/20/1982	5
	Pedersen, et al.	4	4	6	7	0	1	2	08/21/1984	5
	Byrne, et al.	4	5	7	5	5	5	6	03/11/1986	5
	McFarland, et al.	4	6	0	4	3	1	3	08/05/1986	5
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	Barker, et al.	4	7	0	1	2	1	8	10/20/1987	5
	Ota, et al.	4	7	1	5	9	8	3	12/29/1987	5
	Broecker, et al.	4	7	8	0	4	4	8	10/25/1988	5
	Mizukami, et al.	4	7	8	1	8	5	8	11/01/1988	5
	Gamble, et al.	4	7	8	3	2	2	0	11/08/1988	5
	Meyer, et al.	4	7	9	8	6	0	3	01/17/1989	5
	Hubbard, et al.	4	8	0	2	4	7	3	02/07/1989	5
	Watanabe, et al.	4	9	0	4	3	0	4	02/27/1990	5
	Hubbard, et al.	4	9	6	9	4	5	7	11/13/1990	5
	Watanabe, et al.	4	9	8	8	5	0	5	01/29/1991	5
	Hubbard, et al.	5	0	2	0	5	3	3	06/04/1991	5
	Johnson, et al.	5	0	5	7	3	0	2	10/15/1991	5
	Kubo, et al.	5	0	6	4	4	7	3	11/12/1991	5
	Watanabe, et al.	5	1	0	0	5	8	1	03/31/1992	5
	Maeda, et al.	5	1	0	0	7	0	2	03/31/1992	5
	Moffatt	5	1	3	3	8	0	3	07/28/1992	5

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Winnik, et al.	5	1	4	5	5	1	8	09/08/1993	5
Watanabe, et al.	5	1	9	6	1	7	7	03/23/1993	5
Kavassalis, et al.	5	2	0	9	9	9	8	05/11/1993	5
Theodoropoulos	5	2	2	0	0	0	0	06/15/1993	5
Watanabe, et al.	5	2	2	1	4	9	7	06/22/1993	5
Fare, et al.	5	2	2	5	3	7	4	07/06/1993	5
Tsugeno, et al.	5	2	3	0	9	5	3	07/27/1993	5
Okubi, et al.	5	2	3	8	5	1	8	08/24/1993	5
Tsugeno, et al.	5	2	6	6	2	8	9	11/30/1993	5
Everhart, et al.	5	2	8	4	7	0	3	02/08/1994	5
Subramanian	5	2	9	2	8	6	8	03/08/1994	5
Theodoropoulos	5	2	9	4	7	1	7	03/15/1994	5
Brunson	5	3	2	2	0	6	1	06/21/1994	5
Okubi, et al.	5	3	3	2	4	3	2	07/26/1994	5
Takagi, et al.	5	3	3	8	7	1	3	08/16/1994	5
Abe, et al.	5	3	4	2	8	7	6	08/30/1994	5
Georger, et al.	5	3	5	0	6	2	4	09/27/1994	5
Pike, et al.	5	3	8	2	4	0	0	01/17/1995	5
Hubbard, et al.	5	3	8	3	4	5	0	01/24/1995	5
Law, et al.	5	3	9	7	6	6	7	03/14/1995	5
Ando, et al.	5	4	0	7	6	0	0	04/18/1995	5
Spencer, et al.	5	4	2	0	0	9	0	05/30/1995	5
Trinh, et al.	5	4	2	9	6	2	8	07/04/1995	5
Tsugeno, et al.	5	4	5	8	8	6	4	10/17/1995	5
Spencer, et al.	5	4	8	7	9	3	8	01/30/1996	5
Subramanian, et al.	5	4	8	8	1	2	6	01/30/1996	5
Yamazaki	5	5	3	8	5	4	8	07/23/1996	5
Ando, et al.	5	5	4	7	6	0	7	08/20/1996	5
Reese, et al.	5	5	5	3	6	0	8	09/10/1996	5
El-Shall, et al.	5	5	8	0	6	5	5	12/03/1996	5
Subramanian, et al.	5	5	8	3	2	1	9	12/10/1996	5
Barthel, et al.	5	5	9	1	7	9	7	01/07/1997	5
Watanabe, et al.	5	5	9	7	5	1	2	01/28/1997	5
Inatani, et al.	5	6	6	1	1	9	8	08/26/1997	5
Bishop, et al.	5	6	7	9	1	3	8	10/21/1997	5
Sacripante, et al.	5	6	7	9	7	2	4	10/21/1997	5
Kuhn, et al.	5	7	7	3	2	2	7	06/30/1998	5
Baird, et al.	5	8	1	3	3	9	8	09/29/1998	5
Calvo Salve, et al.	5	8	4	3	5	0	9	12/01/1998	5
Everhart, et al.	5	8	5	5	7	8	8	01/05/1999	5
Kamoto, et al.	5	8	8	0	1	7	6	03/09/1999	5
Suzuki, et al.	5	8	8	0	3	0	9	03/09/1999	5
Tasaki, et al.	5	9	0	2	2	2	6	05/11/1999	5
Fujiki, et al.	5	9	0	5	1	0	1	05/18/1999	5
Desai, et al.	5	9	1	6	5	9	6	06/29/1999	5
Grandfils, et al.	5	9	6	2	5	6	6	10/05/1999	5
Shell, et al.	5	9	7	2	3	8	9	10/26/1999	5
Yamada, et al.	5	9	8	5	2	2	9	11/16/1999	5
Abe, et al.	5	9	8	9	5	1	0	11/23/1999	5
Watanabe, et al.	5	9	8	9	5	1	5	11/23/1999	5
Kasai, et al.	6	0	0	7	5	9	2	12/28/1999	5
Gore	6	0	2	4	7	8	6	02/15/2000	5
Guarracino, et al.	6	0	9	6	2	9	9	08/01/2000	5
Spencer, et al.	6	1	7	2	1	7	3	01/09/2001	5
Law, et al.	6	1	9	0	8	1	4	02/20/2001	5
Guarracino, et al.	6	2	2	5	5	2	4	05/01/2001	5
Watanabe, et al.	6	2	9	1	5	3	5	09/18/2001	5
Anderson, et al.	6	3	1	5	8	6	4	11/13/2001	5
Gallis, et al.	6	3	3	4	9	8	8	01/01/2002	5
Oldenburg, et al.	6	3	4	4	2	7	2	02/05/2002	5
Hoshino, et al.	6	3	5	8	5	3	7	03/19/2002	5

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<u>62</u>	Guarracino, et al.	6	3	7	6	7	4	1	04/23/2002	5
	Reeves, et al.	6	3	8	7	4	9	5	05/14/2002	5
	Ota, et al.	6	3	9	8	8	2	7	06/04/2002	5
	Wellinghoff, et al.	6	4	1	0	7	6	5	06/25/2002	5
	Blackstock, et al.	6	4	2	7	6	9	3	08/06/2002	5
	Woltman, et al.	6	4	3	3	2	4	3	08/13/2002	5
	Kasai, et al.	6	4	4	0	1	8	7	08/27/2002	5
	Furuya, et al.	6	4	6	1	7	3	5	10/08/2002	5
	Sakaguchi, et al.	6	4	6	8	5	0	0	10/22/2002	5
	Tan, et al.	6	5	4	8	2	6	4	04/15/2003	5
	Maeda, et al.	6	5	6	2	4	4	1	05/13/2003	5
<u>605</u>	Raymond, et al.	6	4	7	8	5	2	1	06/17/2003	5

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EXAMINER INITIALS	APPLICANT'S NAME	PUBLICATION NUMBER	PUBLICATION DATE	COPY NOTE
<u>62</u>	Nohr, et al.	0 0 2 1 9 8 3	01/30/2003	5
	Kolb, et al.	0 1 2 8 3 3 6	09/12/2002	5
	Carter, et al.	0 1 4 2 9 3 7	10/03/2002	5
	Nohr, et al.	0 1 4 9 6 5 6	10/17/2002	5
	Cramer, et al.	0 1 5 0 6 7 8	10/17/2002	5
<u>657</u>	MacDonald	0 2 0 3 0 0 9	10/30/2003	5

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EXAMINER INITIALS	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	TRANSLATION			COPY NOTE
				YES	NO	N/A	
	WO	0 0 0 3 7 9 7 A1	01/27/2000		X		
62	EP	0 1 0 3 2 1 4 B1	03/21/1984			X	
	WO	0 1 0 6 0 5 4 A1	01/25/2001			X	
	WO	0 2 0 5 5 1 1 5 A1	07/18/2002			X	
	EP	0 2 8 2 2 8 7 B2	09/14/1988			X	
	EP	0 3 3 9 4 6 1 B1	11/02/1989			X	
	EP	0 3 7 6 4 4 8 B1	07/04/1990			X	
	EP	0 3 8 9 0 1 5 A2	09/26/1990			X	
		A3					
	EP	0 3 8 9 0 2 3 A2	09/26/1990			X	
		A3					
	EP	0 4 8 3 5 0 0 A1	05/06/1992			X	
	EP	0 7 4 9 2 9 5 B1	12/27/1996			X	
652	EP	0 9 7 2 5 6 3 A1	01/19/2000			X	
	WO	9 8 2 0 9 1 5 A1	05/22/1998		X		
	WO	9 9 4 7 2 5 2 A3	09/23/1999			X	

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	Filing Date: October 16, 2003 Confirmation No: 4589	Group Art Unit: 1744

EXAMINER INITIALS	OTHER DOCUMENTS Specify author (if any), Title, Pertinent Pages, Date & Place of Publication	COPY NOTE
CSA	Article - Saponins and Sapogenins. VIII. Surface Films of Echinocystic Acid and Derivatives, C. R. Noller, J. Am. Chem. Soc., Vol. 60, 1938, 3 pages	
	Article - Synthesis of porous Silica with help from cyclodextrin aggregates, Markus Antonietti, Max-Planck-Institut für Kolloid- und, Germany, 1 page	
CSA	Article - Immobilization of (n-Bu ₄ N) ₄ W ₁₀ O ₃₂ on Mesoporous MCM-41 and Amorphous Silicas for Photocatalytic Oxidation of Cycloalkanes with Molecular Oxygen, Andrea Maldotti, Alessandra Molinari, Graziano Varani, Maurizio Lenarda, Loretta Storaro, Franca Bigi, Raimondo Maggi, Alessandro Mazzacani, and Giovanni Sartori, Journal of Catalysis, Vol. 209, 2002, pp. 210-216	
	Article - Fe-MCM-41 for Selective Epoxidation of Styrene with Hydrogen Peroxide, Qinghong Zhang, Ye Wang, Satoko Itsuki, Tetsuya Shishido, and Katsuomi Takehira, The Chemical Society of Japan, Chemistry Letters 2001, pp. 946-947	
	Article - Mesoporous Sieves with Unified Hybrid Inorganic/Organic Frameworks, Brian J. Melde, Brian T. Holland, Christopher F. Blanford, and Andreas Stein, Chem. Mater., Vol. 11, No. 11, 1999, pp. 3302-3308	
	Article - From Cyclodextrin Assemblies to Porous Materials by Silica Templating, Sebastian Polarz, Bernd Smarsly, Lyudmila Bronstein, and Markus Antonietti, Angew. Chem. Int., Vol. 40, No. 23, 2001, pp. 4417-4421	
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No Date

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	Filing Date:	Group Art Unit:
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	Confirmation No:	
	4589	

<p>508</p> <p>↓</p> <p>508</p>	<p>Article - Nanoparticles based on polyelectrolyte complexes: effect of structure and net charge on the sorption capability for solved organic molecules, H.-M. Buchhammer, G. Petzold, and K. Lunkwitz, Colloid Polym. Sci., Vol. 278, 2000, pp. 841-847</p>		
	<p>Article - Adsorption of Gases in Multimolecular Layers, Stephen Brunauer, P.H. Emmett, and Edward Teller, The Journal of the American Chemical Society, Vol. 60, February 1938, pp. 309-319</p>		
	<p>Article - Study of the urea thermal decomposition (pyrolysis) reaction and importance to cyanuric acid production, Peter M. Schaber, James Colson, Steven Higgins, Ed Dietz, Daniel Thielen, Bill Anspach, and Jonathan Brauer, American Laboratory, August 1999, pp. 13-21</p>		
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	<p>Article - Structure and properties of silica nanoclusters at high temperatures, I. V. Schweigert, K. E. J. Lehtinen, M. J. Carrier, and M. R. Zachariah, The American Physical Society, Physical Review B, Vol. 65, No. 235410, pp. 1-9</p>		
	<p>Article - Grafting of Poly(ethylenimine) onto Mesylated Cellulose Acetate, Poly(methyl methacrylate) and Poly(vinyl chloride), Christopher J. Biermann and Ramani Narayan, Carbohydrate Polymers, Vol. 12, 1990, pp. 323-327</p>		
	<p>Abstract of Article - Non-hydrothermal synthesis of copper-, zinc- and copper-zinc hydrosilicates, T. M. Yurieva, G. N. Kustova, T. P. Minyukova, E. K. Poels, A. Blik, M. P. Demeshkina, L. M. Plyasova, T. A. Krieger, and V. I. Zaikovskii, Materials Research Innovations, Vol. 5, No. 1, June 2001, pp. 3-11</p>		
	<p>Pocket Guide to Digital Printing, Frank Cost, Delmar Publishers, Albany, NY, ISBN 0-8273-7592-1, pp. 144-145</p>		
<p>Product Information Sheets on Snowtex®, 6 pages</p>			
EXAMINER	DATE CONSIDERED		
	2-6-07		
<p>Examiner: initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.</p>			

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U.S. PATENT DOCUMENTS

EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER	ISSUE DATE	COPY NOTE
	Meiss	5 0 0 0 7 4 6	03/19/1991	5

U.S. PATENT APPLICATION PUBLICATIONS


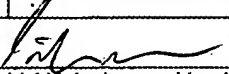
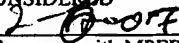
EXAMINER INITIALS	APPLICANT'S NAME	PUBLICATION NUMBER	PUBLICATION DATE	COPY NOTE
	Franzen, et al.	0 1 4 7 9 6 6	08/07/2003	5
	Hanada	0 1 7 7 6 2 1	11/28/2002	5
	MacDonald	0 2 0 3 0 0 9	10/30/2003	5

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	TRANSLATION			COPY NOTE
				YES	NO	N/A	
	WO	0 3 0 3 2 9 5 9 A1	04/24/2003			X	
	WO Corrected Version	0 3 0 3 2 9 5 9 A1	04/24/2003			X	

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EXAMINER INITIALS	OTHER DOCUMENTS Specify author (if any), Title, Pertinent Pages, Date & Place of Publication	COPY NOTE
	Article - <i>Immunization of mice with peptomers covalently coupled to aluminum oxide nanoparticles</i> , Andreas Frey, Nicholas Mantis, Pamela A. Kozlowski, Alison J. Quayle, Adriana Bajardi, Juana J. Perdomo, Frank A. Robey, and Marian R. Neutra, Vaccine, Vol. 17, 1999, pp. 3007-3019	
	PCT Search Report for PCT/US03/39737	06/18/2004
EXAMINER		DATE CONSIDERED 
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